

Converting Colors

CIELCh(19, 39.780, 6.015)

Have a look what the booklet for
CIELCh(19, 39.780, 6.015) contains.

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Color

CIELCh(19, 40.030, 5.790)

Conversions

Conversions Part 1

Format	Color
Hex	60052A
RGB	96, 5, 42
RGB Percent	38%, 2%, 16%
CMY	0.6242, 0.9813, 0.8358
CMYK	0.00, 0.95, 0.56, 0.62
HSL	336°, 91%, 20%
HSV	336°, 95%, 38%
XYZ	5.2723, 2.7468, 2.4297
YIQ	36.4270, 42.3590, 30.7990

Conversions

Conversions Part 2

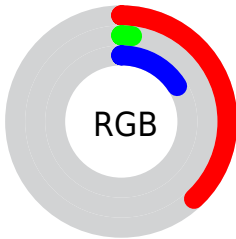
Format	Color
RYB	96, 5, 42
Decimal	6292778
CIELab	19.00, 39.83, 4.04
CIELCh	19, 40.030, 5.790
Yxy	2.7468, 0.5046, 0.2629
Android (android.graphics.Color)	4284482858 (0xFF60052A)
YUV	36.4270, 2.7475, 52.2455
Hunter-Lab	16.5735, 27.7796, 2.9096

Details

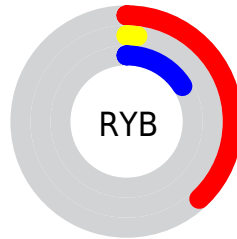
The CIELCh color **19, 40.030, 5.790** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **35, 36.889, 156.765**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 39.994, 5.831**, and **5, 24.514, 18.727** is the 20% darker color. If you saturate the color by 10%, you get **18, 41.238, 7.418**, and if you desaturate by 10%, it is **20, 37.778, 2.358**.

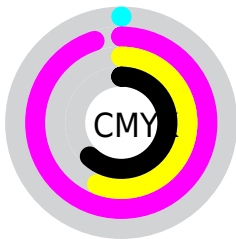
Distribution



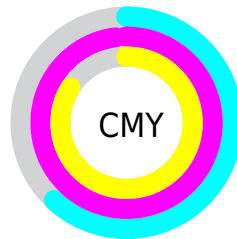
- Red (38%)
- Green (2%)
- Blue (16%)



- Red (38%)
- Yellow (2%)
- Blue (16%)



- Cyan (0%)
- Magenta (95%)
- Yellow (56%)
- Black (62%)



- Cyan (62%)
- Magenta (98%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 40.030, 5.790 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 19, 40.030, 5.790 by changing the saturation by 10% instead.

 19, 40.030, 5.790  19, 40.030, 5.790

 100, 40.030, 5.790  9, 40.030, 5.790

 39, 40.030, 5.790  0, 40.030, 5.790

 49, 40.030, 5.790

 59, 40.030, 5.790

 69, 40.030, 5.790

 79, 40.030, 5.790

 89, 40.030, 5.790

 99, 40.030, 5.790

 19, 40.030, 5.790  19, 40.030, 5.790

■ 18, 41.238, 7.418

■ 20, 37.778, 2.358

■ 22, 34.829,
359.465

■ 23, 31.085,
357.144

■ 26, 26.743,
355.259

■ 28, 22.016,
353.698

■ 31, 17.092,
352.377

■ 33, 12.115,
351.237

■ 36, 7.186, 350.227

■ 39, 2.367, 349.270

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19, 40.030, 5.790



35, 36.889, 156.765

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19, 40.030, 5.790



19, 40.030, 55.790



19, 40.030, 185.790



19, 40.030, 235.790

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19, 40.028, 5.792



42, 17.551, 351.774



15, 57.386, 314.651



20, 12.164, 352.122



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19, 40.028, 5.792



26, 49.825, 9.078



19, 44.884, 37.005



18, 2.686, 349.649



22, 46.110, 8.445



51, 80.963, 11.906

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19, 40.028, 5.792



26, 49.825, 9.078



34, 21.891, 209.448



18, 2.686, 349.649



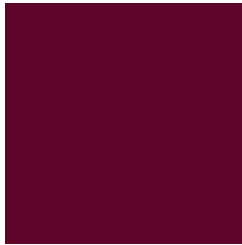
22, 46.110, 8.445



51, 80.963, 11.906

Previews

White Background



This preview shows how the CIE LCh color 19, 40.030, 5.790 looks on a white background.

Color Contrast Check

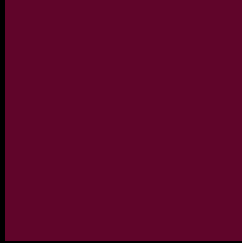
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 19, 40.030, 5.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 40.030, 5.790

Background



This preview shows how black text looks on a background with the CIELCh color 19, 40.030, 5.790.



This preview shows how white text looks on a background with the CIELCh color 19, 40.030, 5.790.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19, 40.030, 5.790

Protanopia

21, 8.166, 286.113

Deuteranopia

21, 8.519, 71.740



Tritanopia
20, 40.843, 32.496

Trichromacy



Original Color
19, 40.030, 5.790

Protanomaly
18, 20.069, 339.610

Deuteranomaly
18, 20.355, 12.020

Tritanomaly
19, 39.426, 23.264

Monochromacy



Original Color
19, 40.030, 5.790

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 18.163, 355.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 40.030, 5.790 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(96, 5, 42)` looks like.

```
.text, #text, p{  
    color:rgb(96, 5, 42)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(96, 5, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 5, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 40.030, 5.790 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 5, 42) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(96, 5, 42) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(96, 5, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 5, 42); -webkit-box-shadow:4px  
4px 4px 4px rgb(96, 5, 42); box-shadow:4px  
4px 4px 4px rgb(96, 5, 42) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 40.030, 5.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 5, 42) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(96, 5,  
42) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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